

Abstract

An input matching parallel inductor 114 which utilizes a spiral inductor, and an input matching parallel capacitor 115 which utilizes an MIM capacitor, both being 5 constituting elements of an input matching circuit portion 125, form an input matching parallel capacitor 115 inside an input matching circuit via-hole 121 being formed by applying a method of surface via-hole to the front surface of a GaAs substrate 124. A choke inductor 119 which utilizes 10 a spiral inductor, and a bypass capacitor 120 which utilizes an MIM capacitor, both being constituting elements of a drain voltage feeding circuit 107, form a bypass capacitor 120 inside a drain voltage feeding circuit via-hole 123 formed by applying a method of surface via-hole to the front surface of the GaAs substrate 124. 15 A drain voltage terminal 136 is extended by a drawing wire 135 from between the spiral inductor and the drain voltage feeding circuit via-hole 123.